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Coleoptera of Rhode Island.

(1902)

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INSTRUCTIONS FOR
COLLECTING AND
MOUNTING INSECTS.

✿ ✿ ✿ AND ✿ ✿ ✿

A CHECK-LIST OF THE
COLEOPTERA
OF THE STATE OF
RHODE ISLAND, U.S.A.

✿ ✿ Second Edition ✿ ✿

C. ABBOTT DAVIS, S. B.

Member Rhode Island Entomological Society.

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INSTRUCTIONS FOR
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PILGRIM
PRESS
PROVIDENCE
PLANTATIONS

1902

PREFACE.

OBJECT—The study of Nature's handiwork is second only to the study of the CREATOR of Nature.

America is slowly awaking to the fact that it is far wiser to know something of the world we inhabit, than it is to amass fortunes. When we were boys not a single acquaintance could name a given plant, bird, mineral or insect. Books were scarce and very expensive. The boy of to-day has far greater opportunities.

Stewart says: "The discoveries which in one age were confined to the studious and enlightened few, become in the next the established creed of the learned, and in the third form a part of the elementary principles of education."

OUTLINE.—In Europe ENTOMOLOGY is taught in the public schools, consequently text books are common and cheap. In America, the Agricultural Colleges seem to be the class most interested in this study. It follows as a natural consequence that the work of each is bounded by state lines.

New Jersey (Prof. J. B. Smith) certainly leads both as to quantity and quality of work done. Prof. Smith's revised list gives in the order COLEOPTERA—71 Families, 975 Genera and 2845 Species, but it should be borne in mind that N. J. is about seven times the size of Rhode Island, also that Texas has 81 counties as large if not larger than our whole state.

Aid—Great credit is due Mr. Chas. Liebeck of Philadelphia for his accurate determination of the smaller and rarer species of Coleoptera. Many thanks are also extended to Prof. E. E. Calder, Mr. Harvey N. Davis and Mr. E. D. Keith for free use of their valuable data. The following abbreviations indicate in which collection certain rare species may be found.

Prof. E. E. Calder, (C)

C. Abbott Davis, (D)

H. N. Davis, (H)

E. D. Keith, (K)

EXPLANATORY—It is not intended to include in this check-list any species of uncertain identity, or records lacking necessary date and locality.

The order COLEOPTERA is arranged and numbered according to Henshaw's check-list including third supplement.

First and last dates only are given.

Rare—1 to 3 specimens.

Occ.—3 to 50 specimens.

Com.—50 to 500 specimens.

Abun.—Over 500 specimens.

ENTOMOLOGY-ITS SCOPE.

Few people realize what an important part insects play in the Natural History of any country. Take the United States for instance. There are already named and catalogued about 180 mammals, 1,600 birds and 50,000 insects. Note the comparison.

When one has collected all the stamps he can get, and turning to minerals and shells has exhausted all the common varieties, and reached the limit of his pocketbook, let him remember that there are others worlds to conquer at his own back door.

The study of insects is interesting, instructive and of great value to the gardener or farmer, for it has been proved that 25 per cent. of his profits are annually devoured by insect pests. Now what shall we collect?

Linnaeus divided the Hexapods (six-footed insects) into SEVEN ORDERS, which today are recognized as follows:

Hymenoptera (Bees, Wasps, etc.).

Diptera (Two-winged Flies).

Lepidoptera (Butterflies and Moths).

Coleoptera (Hard-shelled Beetles).

Orthoptera (Grasshoppers, Crickets, etc.).

Hemipteroid (Bugs, Parasites, etc.).

Neuropteroid (Lace Wings).

In the recently published Entomologists' Directory of America, there are 558 Lepidopterists, 332 Coleopterists, 295 general collectors, 67 Hemipterists, 66 Hymenopterists, 39 Neuropterists, 33 Dipterists, and 21 Orthopterists.

There are now catalogued 10,000 species of Beetles in North America, and it costs nothing to collect them except ten cents for a cyanide-bottle and a cigar box filled with layer cotton (wadding) in which to preserve them till ready to mount.

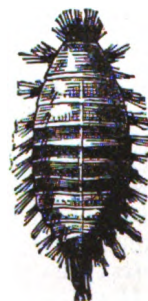
Be sure to put date and locality on every layer in the cigar box. Remember that April is just the month to begin this study, and that it will benefit your health to take long cross-country tramps. The best collectors in the United States today are Ministers, Doctors, Lawyers and Engineers, who collect for recreation.

Very few insects are beneficial to mankind so you are doing humanity a service by pinning them in a box to show to your friends.

Be sure to lay in a big supply of each kind to exchange with other collectors, for insects have distinct geographical limits.

Each order is divided into families, and these in turn into genera and species. All names are in Latin, but nicknames are common and in the check-list of Coleoptera each species is numbered so that Beetle No. 6789 means the same as *Doryphora decemlineata*—Say. (The Colorado potato-bug).

There are four stages in the life of every insect. First, the egg, then the larva (slug or caterpillar), next the pupa (crysalid), and finally the imago (adult).



Buffalo Beetle No. 3444, x 10.

HINTS FOR COLLECTORS.

I. WHEN TO COLLECT.

In northern United States the collecting season opens about April 1st and closes about November 1st. However, bark and water beetles may be collected all winter long. On sunny days, in summer, bugs, bees, flies and butterflies are out from 9 a.m. to 3 p.m. Collect grasshoppers, ants, crickets and beetles any day, any time, rain or shine; dragon-flies before the dew is off; moths at night either by sugaring or at light.

In winter, collect galls and stump-borers and rear them in glass fruit jars. Don't forget the label, and never place two kinds in one jar.

In summer, collect larvæ on willow, oak, sumach, cherry and other shrubs, and rear them in boxes with screen doors. They should be fed daily with leaves of a plant like the one on which they were found, keeping small branches moist by inserting them in pots of wet sand.

Some caterpillars will spin a silken cocoon in the box, others will pupate in the sand.

Take notes and read up the subject.

II. WHAT TO COLLECT.

Beginners are apt to collect only large and showy specimens, and these are generally the most common. The smaller and more isolated species are always the rarer. Collect beetles, bees, butterflies, flies, moths, wasps, ants, bugs, plant lice, bird, mammal and insect parasites, grasshoppers, crickets, roaches, may-flies, stone-flies, dragon-flies, etc., etc.

If you do not want them, somebody else will, provided they are properly labeled and neatly put up. Of course, bees will sting and stag-beetles pinch, and a few ants attempt to bite, but none are poisonous in northern United States, and even bees may be safely handled (if you know how).

III. WHERE TO COLLECT.

Under stones—In spring for beetles.

Under sea weed—On hot summer days.

On shrubs—By beating upon a white cloth.

On flowers—Especially alder, willow, apple.

On decaying matter—For flies and beetles.

At light—Swarms of insects are attracted by electric lights every warm and damp summer night.

Sugaring—For moths and a few beetles.

Trapping—For beetles during spring.

In stumps—For larvæ and pupa to rear at home in a piece of original stump tied with a string.

Sweeping—Grasses for small insects of all orders.

Sand banks—In spring for beetles and digger wasps and bees.

Mud flats—In dry weather (insects being after water).

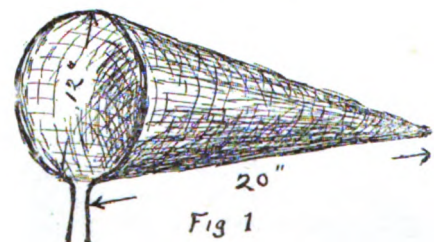
Fungus—Especially in fall of year.

Water—By net; also underneath logs and aquatic plants.

Sample Label—Prov.—Oct. 9.—Fungus.—

IV. HOW TO COLLECT.

A—Materials.



Net—One yard of fly-screen cloth, three feet of wire. Bend wire and sew on cloth like Fig. 1. A piece of twine and any stick for a handle makes a net.



Cyanide bottle—Made in four sizes, viz.: fruit jar, radish bottle, vaseline bottle (see Fig 2), pill bottle. A half-inch of cotton held in place by circle cut out of cardboard or blotter. If you use cyanide of potash, put that in first and cover with cotton. It will last a year, but is very dangerous. For children's sake better use a few drops of chloroform instead. This evaporates rapidly and must be renewed daily.

Collecting box—A small pocket tin box (like Dills' Best) filled with layers of wadding and a few bits of paper for data. This is to receive insects from time to time from the cyanide bottle.

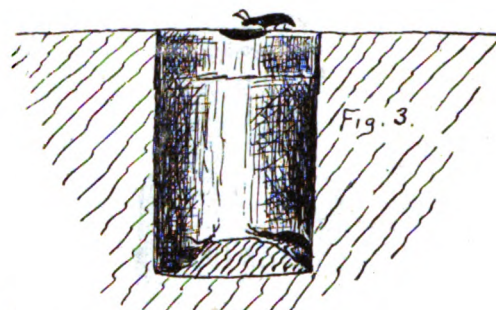
Packing box—Similar to collecting box, only larger (generally use cigar boxes with layer cotton).

B—Methods.

Beating—With a stick into an umbrella or upon a white cloth stretched over a forked stick.

Sweeping—Similar to beating only upon grasses. (I sweep on to sticky fly-paper and remove insects by an alcohol bath.)

Sugaring—Take a pint of molasses and paint favorable spots upon fences and trees. After dark visits half hourly with lantern and wide-mouthed cyanide bottle.

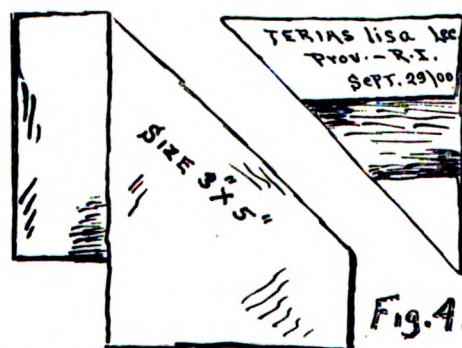


Trapping—Bury a tin box, with hole in cover, level with ground (see Fig. 3). Bait with stale meat. Beetles can smell it a great distance; will tumble in, but can not get out.

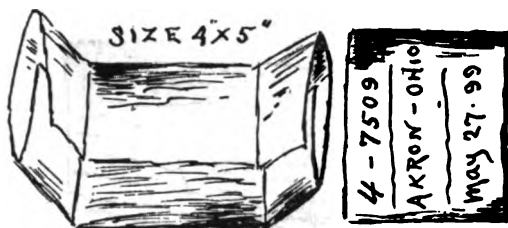
NOTES.—Label everything carefully. Collect grasshoppers in a bottle by themselves, as their juices spoil other insects. Spiders, larvæ, ants, aphids and parasites should be collected and kept in alcohol in small vials. Formaldehyde (undertaker's fluid), diluted accurately to a 5 per cent. solution, is better for larva and pupa.

V. HOW TO RELAX AND MOUNT.

Few collectors find time to mount all their specimens when taken, but they pack them away to mount during the long winter evenings. It is considered good practice to pin all flies and moths while fresh.



Duplicates—Fig. 4 shows a paper envelope in which to place butterflies singly, as soon as they are dead; while Coleoptera duplicates are best kept by fours in rectangular papers, be-



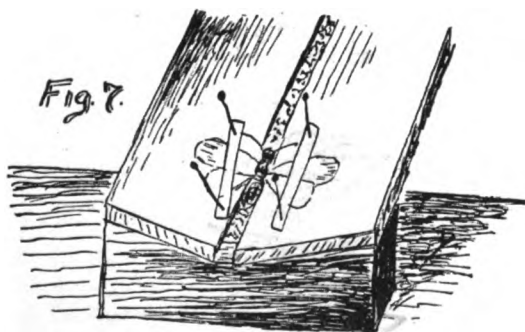
tween squares of layer cotton. (See Fig. 5.)

Relaxing dish—Any covered glass dish filled with moistened sand. Place insects on paper on sand, adding a few drops of carbolic acid to prevent mold, and leave 24 hours.

Locality	Date
Name	
No.	
Collector	

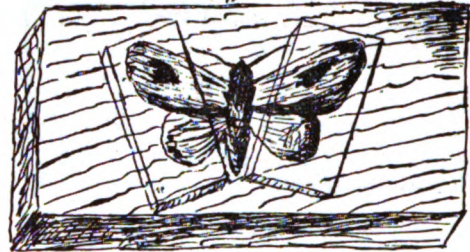
Fig. 6.

Mounting—This requires insect pins, labels (See Fig. 6), a cork-lined box, and setting boards for Lepidoptera. Americans pin all insects one inch high, wings horizontal and generally at right angles to body. For a general collection we advise using Nos. 1, 3 and 5 Klager pins. Coleoptera are pinned through the right wing cover; Hemiptera through the scutell; Hymenoptera through the thorax.



Methods of spreading Lepidoptera—First method (Fig. 7). Place moth right side up, using boards tipped at an angle to allow for final drooping of wings. Pin through the thorax and spread wings with needles. Fasten them in position with narrow strips of pa-

Fig. 8.



per and common pins. Second method (Fig. 8). Place moth upside down on a small wooden block. Pin temporarily through the body, spreading wings as before, but after placing the glass in position remove all pins. Both methods require that the antennæ be pinned parallel to the fore wings, and that the insects be allowed to dry about two weeks. Small insects of all orders are glued to cards (See Fig. 9), using fish glue. For single insects cut it $\frac{3}{4} \times \frac{1}{2}$ inches, placing state only on top and locality with date underneath, or cut it into triangular points $\frac{1}{2} \times \frac{1}{2}$ inches. The latter method necessitates the buying of printed labels with locality and state in very small type. Cheap cardboard will discolor. Additional data such as At light, Beating, Under bark, etc., add value to a collection. Examine your collection frequently for insect pests—anthrenus, dermestes, and the omnipresent clothes-moth. Remember that an insect without data is absolutely worthless.



Fig. 9.

A CHECK-LIST OF THE COLEOPTERA OF R. I. ❀ ❀

FAMILY CICINDELIDAE.

CICINDELA Linn.

- 19c modesta Dej. occ. Apr. 17-Sept. 18.
19d rugifrons Dej. com. Apr. 19-Sept. 18.
24 sexguttata (6 spots) occ. Apr. 25-June 8.
24v sexguttata (4 spots) occ. Apr. 28-July 4.
24b patru ela Dej. occ. Apr. 25-Sept. 16.
25 purpurea Oliv. com. Mar. 27-Oct. 1.
25f limbalis Kl. two Sept.—C.
25g spreta Lec. one July — K.
25a geniosa Dej. occ. May 6-Sept. 18.
32 vulgaris Say. abun. Mar. 27-Nov. 2.
33 repanda Dej. abun. Apr. 20-Sept. 4.
33c 12-guttata Dej. rare Apr. 24-D. & H.
35 hirticollis Say. com. Apr. 22-July 12.
40 punctulata Fab. com. July 12-Sept. 10.
42 dorsalis Say com. July 4-July 15.
44c hentzii Dej. rare July—K. & C.

← since none of
Annelis's ♀'s have

FAMILY CARABIDAE.

OMOPHRON Lat.

- 76 americanum Dej. occ. Apr. 29-June 1.

CYCHRUS Fab.

- 82a lecontei Dej. occ. Apr. 5-Nov. 13.
86 elevatus Fab. two Apr. 8—K.

CARABUS Linn.

- 121 serratus Say rare Apr. 18—C.
122 limbatus Say. occ. Apr. 28.
123 vinctus Web. occ. Apr. 13-21.

CALOSOMA Web.

- 127 scrutator Fab. occ. June 3-July 10.
128 willcoxi Lec. one June 2
142 calidum Fab. com. June 2-July 28.

ELAPHRUS Fab.

- 160 ruscarius Say. abun. Apr. 19-June 8.

NOTIOPHILUS Dum.

- 173 aeneus Hb. one May 7-C.

SCARITES *Fab.*

220 subterraneus *Fab.* com. May 11-Oct. 11.

DYSCHIRIUS *Bon.*

232 globulosus *Say* occ. Apr. 16-May 11.

237 sphaericollis *Say.* one May 19-C.

SCHIZOGENIUS *Putz.*

283 lineolatus *Say* occ. May 1-May 10.

286 amphibius *Hald.* occ. May 14-

BEMBIDIUM *Lat.*

317 americanum *Dej.* one Apr. 30-C.

320 chalceum *Dej.* one June 28-C.

358 picipes *Kir.* occ. Apr- 17-May 14.

359 scopulinum *Kir.* one July 7-C.

386 patrulele *Dej.* rare May 2-D.

387 variegatum *Say.* occ. Apr. 17-July 6.

388 intermedium *Kir.* one July 9-C.

391 versicolor *Lec.* one July 30-C.

395 contratum *Say.* two May 22-C.

414 assimile *Gyl.* one May 4-H.

417 4-maculatum *Lin.* com. Apr. 23-Apr. 30.

TACHYS *Sch.*

449 nanus *Gyl.* one May 14-D.

450 flavicauda *Say.* two Apr. 27-D.

456 xanthopus *Dej.* occ. Apr. 14-May 26.

461 incurvus *Say.* com. May 14-26.

PATROBUS *Dej.*

472 longicornis *Say.* one July 4-D.

PTEROSTICHUS *Bon.*

546 stygicus *Say.* occ. June 4-Sept. 8.

565 lucublandus *Say.* com. Mar. 16-June 10.

567 convexicollis *Say.* occ. Apr. 14-21.

569 caudicalis *Say.* rare Sept. 26-C.

570 luctuosus *Dej.* occ. Mar. 26-Apr. 19.

571 corvinus *Dej.* occ. May 1-13.

578 mutus *Say.* com. Apr. 22-May 13.

585 erythropus *Dej.* occ. Mar. 19-Apr. 17.

587 patruelis *Dej.* one Mar. 19-C.

AMARA *Bon.*

623 avida *Say.* two Oct. 6-D.

646 exarata *Dej.* rare July 4-D.

651 angustata *Say.* com. June 4-15.

657 *impuncticollis* Say. com. May 7-June 4.
659 *bassillaris* Say. one May 27-C.
575 *interstitialis* Dej. occ. Apr. 21-May 1.
674 *obesa* Say. one Sept. 24-H.
677 *chalcea* Dej. com. Apr. 23-
683 *musculus* Say. com. May 27-June 8.

DICÆLUS *Bon.*

726 *elongatus* Bon. occ. May 5-Sept. 1.

BADISTER *Cla.*

731 *notatus* Hal. two May 14-C.

CALATHUS *Bon.*

742 *gregarius* Say. com. May 1-July 6.
743 *ingratus* Dej. one Apr. 21-C.
744 *opaculus* Lec. occ. Mar. 26-June 14.

PLATYNUS *Bon.*

765 *decens* Say. one Apr. 17-D.
766 *sinuatus* Dej. one Sept. 18-D.
769 *cincticollis* Say. two Oct. 25-C. & D.
773 *decorus* Say. occ. May 13-June 12.
791 *melanarius* Dej. occ. Apr. 17-19.
800 *cupripennis* Say. abund. Mch. 11-Oct. 26.
805 *nutans* Say. com. Mar. 24-July 6.
814 *octopunctatus* Fab. two Apr. 21—H. & D.
815 *placidus* Say. com. Mar. 19-July 6.
821 *obsoletus* Say. com. May 7-July 6.
824 *aeruginosus* Dej. one May 14-C.
826 *crenistriatus* Lec. occ. Mar. 24-June 30.
827 *rubripes* Zim. com. Mar. 26-July 6.
828 *punctiformis* Say. one March-C.
831 *ruficornis* Lec. occ. Mar. 13-Apr. 9.
834 *picipennis* Kir. one Mar. 13-C.

CASNONIA *Lat.*

847 *pennsylvanica* Lin. com. Mar. 27-June 8.

GALERITA *Fab.*

851 *janus* Fab. com. Apr. 21-Oct. 6.

LEBIA *Lat.*

872 *grandis* Hentz. com. Mar. 16-Nov. 5.
873 *atriventris* Say. occ. May 6-June 8.
874 *tricolor* Say. rare Apr. 9-C.
878 *pulchella* Dej. one Apr. 9-C.
882 *viridis* Say. com. June 12-Sept. 29.

883 *pumilla* Dej. occ. May 2-22.
886 *viridipennis* Dej. one May 13-C.
889 *ornata* Say. com. Sept. 4-
893 *fuscata* Dej. one June 1-H.
897 *furcata* Lec. two May 27-D.
899 *vitata* Fab. com. June 18-Sept. 18.

DROMIUS Bon.

906 *piceus* Dej. occ. March 12-24.

APRISTUS Chd.

909 *subsulcatus* Dej. com. June 18-July 4.

AXINOPALPUS Lec.

915 *biplagiatus* Dej. two May 26-D.

CALLIDA Dej.

925 *purpurea* Say. com. June 16-Sept. 26.

PINACODERA Sch.

934 *limbata* Dej. two July 6-C. & D.

935 *platicollis* Say. two Sept. 15-C.

CYMINDIS Lat.

946 *pilosa* Say. one June 23-C.

APENES Lec.

950 *sinuata* Say. rare Mar. 17-C.

HELLUOMORPHA Lap.

958 *praeusta* Dej. com. Apr. 21-May 14.

BRACHYNUS Web.

962 *americanus* Lec. occ. May 7-Oct. 9.

963 *janthinipennis* Dej. rare May-D.

977 *fumans* Fab. com. Apr. 17-May 14.

978 *cordicollis* Dej. one July 6-C.

CHLAENIUS Bon.

996 *sericeus* For. com. Apr. 17-Oct. 6.

1017 *nemoralis* Say. com. Apr. 23-May 15.

1018 *tricolor* Dej. com. Apr. 20-May 24.

1021 *pennsylvanicus* Say. rare Sept. 15-C. & H

1032 *tomentosus* Say. com. Mch. 16-May 27.

ANOMOGLOSSUS Chd.

1034 *emarginatus* Say. occ. Mar. 13-Apr. 19.

1036 *pusillus* Say. com. Mar. 24-Apr. 23.

OODES *Bon.*

1043 fluvialis *Lec.* one May 27-D.

GEOPINUS *Lec.*

1052 incrassatus *Dej.* occ. May 20-

AGONODERUS *Dej.*

1059 lineola *Fab.* one May 15-D.

1061 pallipes *Fab.* abund. Apr. 21-May 15.

1063 pauperculus *Dej.* one Apr. 21-D.

GYNANDROPUS *Dej.*

1074 hylacis *Say.* com. June 11-18.

HARPALUS *Lat.*

1078 autumnalis *Say.* one June 11-C.

1079 erraticus *Say.* two June 15-D.

1082 veridiaeneus *Beau.* occ. Apr. 15-17.

1083 caliginosus *Fab.* abund. Mar. 23-July 27.

1084 faunus *Say.* com. Mar. 23-Apr. 17.

1087 pennsylvanicus *DeG.* abund. May 11-Jy28.

1092 pleuriticus *Kir.* occ. Mar. 19-Apr. 12.

1094 herbivagus *Say.* com. Apr. 17-May 11.

SELENOPHORUS *Dej.*

1130 gagatinus *Dej.* local May 1-June 30.

1131 opalinus *Lec.* one Warwick-C.

1134 ellipticus *Dej.* com. May 14-June 12.

STENOLOPHUS *Dej.*

1135 carbonarius *Brul.* two Apr. 25-C.

1138 fuliginosus *Dej.* occ. Apr. 16-17.

1139 plebeius *Dej.* occ. May 11-27.

1140 conjunctus *Say.* com. Mar. 27-May 14.

1145 ochropezus *Say.* com. May 15-July 6.

ACUPALPUS *Lat.*

1150 carus *Lec.* rare May 1-C.

1152 longulus *Dej.* two May 26-D.

BRADYCELLUS *Er.*

1158 rupestris *Say.* one May 8-C.

TACHYCELLUS *Mor.*

1165 kirbyi *Horn* one June 14-C.

ANISODACTYLUS *Dej.*

1180 rusticus *Say.* com. Mar. 27-May 14.

- 1188 harrisii *Lec.* com. Mar. 27-Sept. 26.
 1189 nigerrimus *Dej.* one Apr. 17-C.
 1191 melanopus *Hald.* com. Oct. 6.
 1194 discoideus *Dej.* occ. Apr. 22-May 13.
 1195 baltimorensis *Say.* abund. Apr. 21-May 1.
 1202 terminatus *Say.* rare July 6-C. & H.
 1208 lugubris *Dej.* rare June 18-H.
 1209 sericeus *Har.* com. Apr. 13-June 14.
 1210 interstitialis *Say.* com. Apr. 2-Sept. 18.

FAMILY HALIPLIDAE.

HALIPLUS *Lat.*

- 1218 fasciatus *Aub.* com. Dec. 16-Mar. 27.
 1220 ruficollis *DeG.* com. Dec. 13-Apr. 20.
 1227 longulus *Lec.* rare Mar. 27-H. & D

CNEMIDOTUS *Er*

- 1231 12-punctatus *Say.* com. Mar. 23-Oct. 15.
 1233 edentulus *Lec.* one Dec. 13-C.

FAMILY DYTISCIDAE.

HYDROCANTHUS *Say.*

- 1240 iricolor *Say.* com. Dec. 16-Mar. 26.

LACCOPHILUS *Lea.*

- 1242 maculosus *Ger.* com. Dec. 16-Apr. 22.
 1253 undatus *Aub.* com. Dec. 17-Mar. 24.

HYDROVATUS *Mots.*

- 1256 cuspidatus *Ger.* occ. Apr. 21-

DESMOPACHRIA *Bab.*

- 1262 convexa *Aub.* rare Apr. 21-H.

BIDESSUS *Sh.*

- 1275 affinis *Say.* rare Oct. 15-H.

COELAMBUS *Th.*

- 1284 inaequalis *Fab.* com. Dec. 13-Apr. 12.
 1302 picatus *Kir.* occ. Mar. 14-23.

DERONECTES *Sh.*

- 1304 catascopium *Say.* occ. Apr. 22-May 27.

HYDROPORUS *Cl.*

- 1314 undulatus *Say.* com. Dec. 13-Mar. 8.
 1320 consimilis *Lec.* com. Mar. 8-Apr. 12.
 1331 solitarius *Sh.* com. Mar. 27-Apr. 21.
 1344 obscurus *St.* occ. Mar. 8-July 4.

1345 *tenebrosus* *Lec.* rare Feb. 25-H. & C.
1346 *signatus* *Man.* two Dec. 13-C.
1352 *tristis* *Pac.* one May 14-C.
1359 *dichrous* *Mel.* occ. Dec. 13-May 24.
1366 *modestus* *Aub.* occ. Feb. 25-Mar. 24.
1368 *oblitus* *Aub.* one May 25-C.

ILYBIUS *Er.*

1389 *biguttatus* *Ger.* occ. June 25-

COPTOTOMUS *Say.*

1396 *interrogatus* *Fab.* com. Apr. 16-Jun. 18.

COPELATUS *Er.*

1402 *glyphicus* *Say.* one June 6-C.

MATUS *Aub.*

1404 *bicarinatus* *Say.* com. Mar. 14-Apr. 7.

AGABUS *Lea.*

1421 *punctatus* *Mel.* rare Mar. 24-C. & D.
1425 *punctulatus* *Aub.* one May 24-C.
1427 *taeniolatus* *Har.* occ. Mar. 14-20.
1428 *disintegratus* *Cr.* com. May 27.
1439 *reticulatus* *Kir.* com. Dec. 13.
1444 *erythropterus* *Say.* two Dec. 16-Mar. 24.

COLYMBETES *Cl.*

1474 *sculptilis* *Har.* rare Dec. 16-H. & C.

HYDATICUS *Lea.*

1480 *bimarginatus* *Say.* occ. Apr. 15-

DYTISCUS *Linn.*

1481 *fasciventris* *Say.* com. Dec. 16-
1482 *hybridus* *Aub.* com. Dec. 16-
1483 *verticalis* *Say.* occ. Dec. 16.

ACILIUS *Lea.*

1492 *semisulcatus* *Aub.* com. Nov. 26-Mar. 30.
1493 *fraternus* *Har.* occ. Dec. 16-
1494 *mediatus* *Say.* com. Dec. 16-

THERMONECTES *Esch.*

1496 *basilaris* *Har.* one Oct. 30-D.

GRAPHODERES *Esc.*

1498 *liberus* *Say.* rare Dec. 16-Mar. 27.

FAMILY GYRINIDAE.

GYRINUS *Linn.*

- 1505 minutus *Fab.* one Mar. 27-C.
1506 rockinghamensis *Lec.* rare, Mar. 26-
1510 limbatus *Say.* two Apr. 22-C. & D.
1513 ventralis *Kir.* occ. Mar. 22-
1521 analis *Say.* one April -C.
1527 borealis *Aub.* com. Mar. 30-Apr. 22.

DINEUTES *MacL.*

- 1532 vittatus *Ger.* com. May 6-June 3.
1534 discolor *Aub.* occ. May 2-14.
1536 assimilis *Aub.* com. Apr. 7-21.
1538 emarginatus *Say.* abun. Apr. 19-May 24.
— nigrrior *Rob.* local Apr. 2-C.

GYRETES *Bru.*

- 1540 sinuatus *Lec.* occ. Apr. 16-May 11.

FAMILY HYDROPHILIDAE.

HYDROPHILUS *Geo.*

- 1586 triangularis *Say.* occ. July-
1589 nimbatus *Say.* com. Apr. 19-Nov. 25.
1590 mixtus *Lec.* com. Apr. 19-Nov. 25.

HYDROCHARIS *Lat.*

- 1597 obtusatus *Say.* occ. Mar. 24-July 7.

BEROSUS *Lea.*

- 1609 peregrinus *Hbst.* com. Mar. 23.
1613 infuscatus *Lec.* com Apr. 2-19.
1614 striatus *Say.* two Apr. 3-D.

PHILHYDRUS *Sol.*

- 1630 ochraceus *Mel.* occ. Apr. 20-Oct. 15.
1633 cinctus *Say.* occ. June 4-July 4.
1636 perplexus *Lec.* com. May 8-July 6.
9315 hamiltoni *Horn* occ. July 6-7.

CYMBIODYTA *Bed.*

- 9319 blanchardi *Horn* one Mar. -C.

CERCYON *Lea.*

- 1666 flavipes *Fab.* com. May 28-June 23.
1675 praetextatum *Say.* rare May 8-D.
1677 ocellatum *Say.* one June 11-C.
1678 pygmaeum *Ill.* occ. May 6-June 8.

1680 anale *Pac.* occ. May 1-
9324 littoralis *Gyl.* com. May 22-June 25.
9325 depressus *Ste.* com. Jun. 4-July 8.

CRYPTOPLEURUM *Mul.*

1690 vagans *Lec.* one June 25-C.

FAMILY SILPHIDAE.

NECROPHORUS *Fab.*

1695 americanus *Oliv.* com. May 27-June 10.
1696 sayi *Lap.* occ. May 9-30.
1697 orbicollis *Say.* occ. June 2-10.
1698 marginatus *Fab.* abund. May. 1-June 10.
1703 tomentosus *Web.* occ. Aug. 20.

SILPHA *Lin.*

1704 surinamensis *Fab.* com. Apr. 27-June 6.
1706 lapponica *Hbst.* com. May 30-June 16.
1708 inaequalis *Fab.* com. Apr. 27-Jun. 24.
1709 noveboracensis *For.* com. Apr. 27-May 5.
1710 americana *Lin.* occ. May 24-June 10.

LIODES *Lat.*

1784 discolor *Mel.* one June 1-H.
1786 obsoleta *Horn.* two June 1-H.

FAMILY SCYDMAENIDAE

BRACHYCEPSIS *Bre.*

1820 perforatus *Sch.* one War.-C.

FAMILY STAPHYLINIDAE

FALAGRIA *Mann.*

2003 dissecta *Er.* one Apr. 21-D.

ALEOCHARA *Grav.*

2053 lata *Gra.* occ. May 1-13.
2055 bimaculata *Gra.* occ. May 7-June 16.

QUEDIUS *Steph.*

2103 capucinus *Grav.* one Sept. 29-D.
2115 vernix *Lec.* two Apr. 19-C.

LISTOTROPHUS *Per.*

2116 cingulatus *Gra.* com. Oct. 3-

CREOPHILUS *Kir.*

2119 villosus *Gra.* abund. May 4-June 6.

STAPHYLINUS *Linn.*

- 2130 vulpinus *Nord.* com. May 11.
2131 maculosus *Gra.* occ. May 14-Oct. 3.
2132 mysticus *Er.* two Oct. 3-C.
2136 fossator *Grav.* one Nov. 5-D.
2138 cinnamopterus *Gra.* occ. Apr. 28-June 19.
2143 praelongus *Mann.* occ. June 5-16.

PHILONTHUS *Curt.*

- 2149 aeneus *Ros.* rare May 6-H. & D.
2175 quadricollis *Horn.* one Apr. 27-D.
2177 debilis *Grav.* one Mar. 13-D.
2180 discoideus *Gra.* two Apr. 27-H.
2185 fusiformis *Mel.* one Apr. 17-D.
2186 fulvipes *Fab.* rare Apr. 13-D.
2197 lomatus *Er.* occ. May 14-Oct. 6.
2201 cyanipennis *Fab.* one May 22-H.
2221 nigrutilus *Gra.* one May 13-H.

ACTOBIUS *Ste.*

- 2251 paederoides *Lec.* rare May 11-H.

CAFIUS *Steph.*

- 2262 bistriatus *Er.* one May 30-D.

XANTHOLINUS *Ser.*

- 2274 emmesus *Grav.* one May 5-D.
2276 obscurus *Er.* occ. Apr. 13-May 8.
2279 hamatus *Say.* two Apr. 17-D.

CRYPTOBIUM *Mann.*

- 2490 bicolor *Grav.* one Apr. 28-D.
2502a latebricola *Nor.* one Mar. 27-C.
2503 flavicorne *Lec.* one War.-C.
2507 cribratum *Lec.* two Oct. 6-C. & D.

LATHROBIUM *Grav.*

- 2514 nigrum *Lec.* one Mar. 16-D.
2534 longiusculum *Grav.* one Apr. 28-C.

STILICUS *Lat.*

- 2558 rudis *Lec.* one May 4-H.

PÆDERUS *Grav.*

- 2570 littoreus *Aus.* occ. Apr. 9-May 11.

SUNIUS *Ste.*

- 2578 prolixus *Er.* one Mch. 25-C.
2581 longiusculus *Man.* one Jan. 18-D.

TACHINUS *Grav.*

- 2620 canadensis *Horn* occ. Apr. 27-June 4.
2624 limbatus *Mel.* one June 12-D.

TACHYPORUS *Grav.*

- 2634 jocosus *Say.* two May 26-D.

ERCHOMUS *Mot.*

- 2644 ventriculus *Say.* occ. Mar. 24-June 1.

CONOSOMA *Kra.*

- 2651 pubescens *Pack.* one Mar. 26-D.
2653 basale *Er.* two May 13-H.

BOLETOBIUS *Lea.*

- 2666 cinctus *Gra.* one May 28-C.

BRYOPORUS *Kraatz.*

- 2670 rufescens *Lec.* one May 26-D.

MYCETOPORUS *Man.*

- 2674 americanus *Er.* one Mar. 25-C.

OXYPORUS *Fab.*

- 2696 lateralis *Grav.* one Sept. 6-D.

PLATYSTETHUS *Mann.*

- 2747 americanus *Er.* two Apr. 13-D.

OXYTELUS *Grav.*

- 2749 sculptus *Grav.* one Apr. 13-D.

GLYPTOMA *Er.*

- 2893 costale *Er.* one May 11-D.

FAMILY SCAPHIDIIDAE.

SCAPHIDIUM *Oliv.*

- 2975c piceum *Mel.* occ. Apr. 21.

SCAPHISOMA *Lea.*

- 2983 suturale *Lec.* one May 22-C.

FAMILY PHALACRIDAE.

OLIBRUS *Er.*

- 2997 bicolor *Gyl.* occ. May 8-June 2.
3002 pallipes *Say.* two Apr. 27-D.
3005 consimilis *Mar.* com. Apr. 7-June 18.

FAMILY COCCINELLIDAE.

ANISOSTICTA *Dup.*

- 3033 strigata *Thu.* one June 10-C.
3034 seriata *Mel.* occ. July 4-Aug. 1.

MEGILLA *Muls.*

- 3036 maculata *DeG.* com. May 27-Oct. 6.

HIPPODAMIA *Muls.*

- 3044 glacialis *Fab.* com. May 7-Nov. 3.
3046 convergens *Gue.* rare July 20-D.
3050 13-punctata *Lin.* com. June 2-Oct. 12.
3051 parenthesis *Say.* com. July 15-Oct. 16.

COCCINELLA *Lin.*

- 3056 trifasciata *Lin.* com. May 27-July 6.
3058 9-notata *Hbst.* com. May 27-Oct. 16.
3059 5-notata *Kir.* one July 4-D.
3064 sanguinea *Lin.* occ. May 27-Oct. 13.

ADALIA *Muls.*

- 3066 frigida *Sch.* occ. Apr. 28-July 9.
3067 bipunctata *Lin.* abund. Apr. 5-Nov. 2.
— humeralis *Casey.* one June 23-D.

HARMONIA *Muls.*

- 3069 picta *Ran.* one July 4-D.
3071a similis *Rand.* rare May 27-C. & D.
3072 12-maculata *Geb.* rare May 27-C. & D.

MYSIA *Mul.*

- 3073 pullata *Say.* one July 4-D.

ANATIS *Muls.*

- 3075 15-punctata *Oliv.* occ. Apr. 27-July 31.

CHILOCORUS *Lea.*

- 3080 bivulnerus *Mul.* com. May 14-Nov. 1.

BRACHYACANTHA *Chev.*

- 3095 ursina *Fab.* com. June 24-July 15.

HYPERASPIS *Chev.*

- 3101 fimbriolata *Mel.* two May 22-C. & D.
3102 lateralis *Mul.* two June 4-C.
3105 undulata *Say.* occ. May 8-July 4.
3110 signata *Oliv.* one June 26-C.
3112 proba *Say.* rare May 28-C. & D.

SCYMNUS *Kug.*

- 3134 bioculatus *Mul.* one July 4-C.
3138 americanus *Mul.* two May 22-C.
3148 collaris *Mel.* one June 19-C.
3152 puncticollis *Lec.* one May 25-C.
3153 cervicalis *Mul.* one May 26-C.
3156 tenebrosus *Mul.* one June 22-C.
—— semiruber *Horn.* one Apr. 27-D.

EPILACHNA *Chev.*

- 3171 borealis *Fab.* abund. July 4-15.

FAMILY ENDOMYCHIDAE.

APHORISTA *Gor.*

- 3226 vittata *Fab.* occ. May 5-Oct. 11.

MYCETINA *Mul.*

- 3187 perpulchra *New.* rare Oct. 11-D.

STENOTARSUS *Per.*

- 3191 hispidus *Hbst.* rare July 4-C. & D.

FAMILY EROTYLIDAE.

LANGURIA *Lat.*

- 3199 bicolor *Fab.* two Jy. 7-C.
3200 mozardi *Lat.* com. May 13-June 22.

TRITOMA *Fab.*

- 3226 biguttata *Say.* one June 3-C.
3230 angulata *Say.* two, Sept. 26-C.
3236 thoracica *Say.* occ. May 27.

FAMILY COLYDIIDAE

PHILOTHERMUS *Aube.*

- 3291 glabriculus *Lec.* rare Apr. 21-D.

FAMILY CUCUJIDAE.

SILVANUS *Lat.*

- 3299 surinamensis *Lin.* rare Nov. 1-D.

CATOGENUS *West.*

- 3310 rufus *Fab.* one July 15-D.

CUCUJUS *Fab.*

- 3316 clavipes *Fab.* occ. Apr. 5-May 13.

LÆMOPHLÆUS *Lap.*

- 3321 fasciatus *Mel.* one Apr. 26-C.
3326 convexulus *Lec.* one May 11-D.

BRONTES. *Fab.*

- 3349 dubius *Fab.* com. June 8-Nov. 1.

FAMILY CRYPTOPHAGIDAE.

LOBERUS *Lec.*

- 3356 impressus *Lec.* one May 21-H.

ATOMARIA *Ste.*

- 3388 ochracea *Zimm.* one May 8-C.
3389 ehippiata *Zimm.* two May 8-C.

FAMILY MYCETOPHAGIDAE.

LITARGUS *Er.*

- 3406 tetraspilotus *Lec.* one May 15-C.

TYPHOEA *Steph.*

- 3409 fumata *Linn.* two Mar. 26-D.

FAMILY DERMESTIDAE.

BYTURUS *Lat.*

- 3416 unicolor *Say.* one May-C.

DERMESTES *Lin.*

- 3420 caninus *Ger.* com. May 28-June 30.
3425 lardarius *Lin.* com. May 18-July 23.
3426 elongatus *Lec.* one June 15-C.
3428 vulpinus *Fab.* abund. Apr. 27-June 16.
3429 frischii *Kug.* one June 18-C.

ATTAGENUS *Lat.*

- 3434 piceus *Oliv.* com. May 13-July 8.

TROGODERMA *Lat.*

- 3442 ornatum *Say.* one May 23-H.
3443 tarsale *Mel.* occ. June 20.

ANTHRENUS *Geoff.*

- 3444 scrophulariae *Lin.* com. Mar. 10-June 16.
3445 varius *Fab.* com. June 1-
3446 musaeorum *Lin.* com. Mar. 13-Sep. 19.

CRYPTORHOPALUM *Gu.*

- 3452 triste *Lec.* two June 12-C.

FAMILY HISTERIDAE.

HISTER *Lin.*

- 3468 arcuatus *Say.* com. May 30-June 16.
3472 biplagiatus *Lec.* one Apr. 23-C.
3479 merdarius *Hof.* occ. May 13-
3480 interruptus *Bea.* com. May 1-June 10.
3490 abbreviatus *Fab.* com. Apr. 21-June 3.
3507 americanus *Pack.* two May 7-C. & D.
3508 perplexus *Lec.* one May 28-C.
3515 subrotundus *Say.* occ. Apr. 27-May 8.
3520 lecontei *Mar.* com. Apr. 21-

HETAERIUS *Er.*

- 3542 brunnipennis *Ran.* one June 2-D.

SAPRINUS *Er.*

- 3585 pennsylvanicus *Pac.* com. May 30-
3590 assimilis *Pac.* com. May 31-June 6.
3592 conformis *Lec.* one May 31-C.
3614 sphaeroides *Lec.* one May 30-D.
3617 fraternus *Say.* occ. May 27-July 4.
3628 demidiatipennis *Lec.* com. Apr. 27.

FAMILY NITIDULIDAE.

CERCUS *Lat.*

- 3664 abdominalis *Er.* com. Apr. 27-June 18.

CARPOPHILUS. *Steph.*

- 3678 niger *Say.* rare May 13-D.
3681 brachypterus *Say.* two Apr. 27-C. & D.

COLASTUS *Er.*

- 3687 semitectus *Say.* occ. May 13-June 20.
3689 truncatus *Ran.* one May 13-D.
—— mutilatus *Horn.* one May 26-D.

EPURÆA *Er.*

- 3700 erichsonii *Rei.* occ. May 11-June 1.

NITIDULA *Fab.*

- 3719 bipustulata *Lin.* one May 1-C.
3720 rufipes *Lin.* occ. Apr. 27-May 4.

STELIDOTA *Er.*

- 3722 geminata *Say.* occ. June 8-July 2.

PROMETOPIA *Er.*

- 3725 6-Maculata *Say.* occ. May 22-July 4.

OMOSITA *Er.*

3727 colon *Lin.* com. Apr. 13-June 3.

CYLLODES *Er.*

3746 biplagiatus *Lec.* one War.-C.

PALLODES *Er.*

3747 silaceus *Er.* one Sept. 10-C.

CRYPTARCHA *Shuck.*

3752 ampla *Er.* one May 13-D.

IPS *Fab.*

3756 fasciatus *Oliv.* abund. Apr. 22-May 24.

FAMILY LATRIDIIDAE.

CORTICARIA *Mar.*

3805 serrata *Pack.* one May 26-D.

3810 americana *Man.* occ. May 8-June 22.

3818 cavicollis *Man.* rare May 26-D.

3822 distinguenda *Com.* one Apr. 27-D.

FAMILY TROGOSITIDAE.

TENEBRIOIDES *Pall.*

3838 corticalis *Mel.* two Feb. 22-D.

THYMALUS *Duft.*

3854 fulgidus *Er.* one Sept. 22-C.

MONOTOMA *Hbst.*

3855 producta *Lec.* one July 4-D.

FAMILY BYRRHIDAE.

CYTILUS *Er.*

3887 sericeus *For.* one May 2-H.

3888 trivittatus *Mel.* two May 27-D.

FAMILY DASYLLIDAE.

PTILODACTYLA *Lat.*

3986 serricollis *Say.* one Jan. 17-C.

EUCINETUS *Ger.*

3993 terminalis *Lec.* one May 30-D.

SCIRTES *Ill.*

4007 tibialis *Guer.* occ. June 21.

CYPHON *Pack.*

- 4009 robustus *Lec.* one June 16-C.
4010 ruficollis *Say.* com. June 16-July 12.
4014 obscurus *Guer.* one June 2-C.
4016 variabilis *Thun.* abun. June 5-12.

FAMILY ELATERIDAE.

THAROPS *Lap.*

- 4027 ruficornis *Say.* one June 8-C.

ADELOCERA *Lat.*

- 4076 discoidea *Web.* one May 5-D.

AL AUS *Esc.*

- 4093 oculatus *Lin.* occ. March 13.
4094 myops *Fab.* one March 20-C.
4097 convexus *Say.* one May 14-D.

CARDIOPHORUS *Esc.*

- 4108 convexus *Lec.* one May 22-C.
4109 gagates *Er.* com. May 26-June 18.
4118 robustus *Lec.* two May 29-D.

CRYPTOHYPNUS *Esch.*

- 4149 abbreviatus *Say.* one June 12-D.

MONOCEPIDIUS *Esc.*

- 4185 vespertinus *Fab.* occ. July 3-6.
4190 auritus *Hbst.* com. Apr. 23-June 16.

ELATER *Lin.*

- 4217 pedalis *Ger.* one June 10-H.
4219 mixtus *Hbst.* occ. May 4-10.
4221 nigricollis *Hbst.* occ. Mch. 20-Apr. 21.
4222 linteus *Say.* occ. Apr. 24-June 12.
4230 semicinctus *Ran.* one May 1-D.
4235 nigricans *Ger.* two June 12-C.
4236 rubricus *Say.* one May 10-D.
4242 sanguinipennis *Say.* rare May 18-D.

LUDIUS *Lat.*

- 4271 attenuatus *Say.* one July 4-D.
4275 abruptus *Say.* rare July 4-H. & D.

AGRIOTES *Esc.*

- 4279 mancus *Say.* occ. Apr. 30-June 16.
4290 oblongicollis *Mcl.* one June 27-C.

DOLOPIUS *Esch.*

4297 *lateralis Esch.* two May 27-D.

GLYPHONYX *Can.*

4299 *recticollis Say.* one June. 24-H.

MELANOTUS *Esc.*

4315 *trapezoideus Lec.* two July 15-D.

4322 *fissilis Say.* com. June 19-23.

4323 *communis Gyl.* abun. Jan. 9-Oct. 25.

4325 *parumpunctatus Mel.* two May 4-C.

4327 *verberans Nec.* one May 7-H.

4333 *pertinax Say.* occ. May 30-July 4.

4334 *dubius Lec.* one June 10-C.

LIMONIUS *Esc.*

4354 *stigma Hbst.* one May 30-C.

4355 *griseus Bea.* occ. May 23-June 4.

4357 *confusus Lec.* occ. May 30-June 9.

4358 *plebejus Say.* com. May 28.

4363 *quercinus Say.* com. June 7-26.

4366 *bassillaris Say.* com. May 26.

SERICOSOMUS *Ste.*

4422 *silaceus Say.* com. June 12.

CORYMBITES *Lat.*

4428 *tesselatus Lin.* two May 2-D.

4434 *cylindriformis Hb.* occ. Apr. 7-May 6.

4443 *pyrrhos Hb.* com. July 6.

4450 *tarsalis Mel.* two Apr. 27-D.

4468 *aethiops Hb.* occ. June 4-9.

4482 *hieroglyphicus Say.* occ. May 27-July 4.

4487 *splendens Zieg.* one May 27-D.

4496 *inflatus Say.* occ. May 28-June 23.

ASAPHES *Kirby.*

4510 *memnonius Hbst.* one Apr. 22-H.

4511 *bilobatus Say.* one August-C.

FAMILY BUPRESTIDAE.

CHALCOPHORA *Sol.*

4570 *liberta Ger.* one Oct. 14-H.

DICERCA *Esch.*

4577 *divaricata Say.* occ. May 27.

4579 *obscura Fab.* occ. June 1.

4579a *lurida Fab.* one Apr. 19-C.

BUPRESTIS *Lin.*

4601 *lineata Fab.* two July 4-D.

MELANOPHILA *Esc.*

4619 longipes *Say.* occ. June 6.

CHRYSOBOTHRIIS *Esc.*

4639 femorata *Fab.* com. June 8.

4660 azurea *Lec.* one May 30-C.

ACMÆODERA *Esc.*

4707 culta *Web.* one June 26-C.

EUPRISTOCERUS *Dey.*

4718 cogitans *Web.* occ. July 5.

AGRILUS *Ste.*

4721 ruficollis *Fab.* com. June 7-20.

4722 arcuatus *Say.* com. May 24-June 22.

4724 otiosus *Say.* one July 4-C.

4724v defectus *Lec.* one June 12-C.

4730 lecontei *Saund.* one May 26-C.

4738 acutipennis *Man.* rare May 26-C.

4739 anxius *Gor.* two May 24-C.

4742 politus *Say.* one June 15-

4745 imbellis *Cr.* two June 26-C.

10108 lateralis *Say.* two June 14-C.

BRACHYS *Sol.*

4758 ovata *Web.* com. May 27-July 15.

4760 praetexta *Gor.* one May 26-C.

4761 aerea *Mel.* occ. May 26-June 1.

4762 aeruginosa *Gor.* com. May 24-June 9.

PACHYSCELUS *Sol.*

4764 purpureus *Say.* com. May 28-June. 9.

4766 laevigatus *Say.* occ. June 10-26.

FAMILY LAMPYRIDAE.

CALOPTERON *Gu.*

4776 reticulatum *Fab.* rare July-K.

PLATEROS *Bourg.*

4795 canaliculatus *Say.* two June 9-C.

LUCIDOTA *Lap.*

4810 atra *Fab.* com. July.

4811 punctata *Lec.* one July 2-C.

ELLYCHNIA *Lec.*

4815 corrusca *Lin.* occ. Jany. 9-May 27.

PYROPYGA *Mots.*

4818 *nigricans* Say. two July 4—C. & D.
4820 *decipiens* Har. one July 4-D.

PYRACTOMENA *Lec.*

4823 *angulata* Say. occ. July 4-5.

PHOTINUS *Lap.*

4827 *consanguineus* Lec. two July 4-C. & D.

PHOTURIS *Lec.*

4847 *pennsylvanica* DeG. rare July 4-D.

CHAULIOGNATHUS *Hen.*

4875 *pennsylvanicus* DeG. one Sept. 19-H.

PODABRUS *West.*

4885 *diadema* Fab. rare July 4-K. & D.

SILIS *Lat.*

4920 *percomis* Say. two May 27-D.

TELEPHORUS *Sch.*

4927 *excavatus* Lec. rare June 15-D.
4931 *fraxini* Say. two June 10-C.
4932 *carolinus* Fab. occ. June 3-12.
4933 *lineola* Fab. com. May 28-June 10.
4947 *rotundicollis* Say. one July 4-D
4948 *curtisii* Kir. one Jy. 6-C.
4953 *tuberculatus* Lec. occ. May 24-29.
4955 *bilineatus* Say. occ. May 8-30.

DITEMNUS *Lec.*

4969 *bidentatus* Say. one War.-C.

FAMILY MALACHIDAE.

COLLOPS *Er.*

4996 *eximius* Er. com. June 14-30.
5004 *4-maculatus* Fab. occ. June 14-Aug. 1.
5013 *vittatus* Say. occ. June 10-16.

FAMILY CLERIDAE.

CLERUS *Geof.*

5167 *quadriguttatus* Oliv. rare Prov.-D.
5180 *thoracicus* Oliv. two June 10-C.

THANEROCLERUS *Spin.*

5186 *sanguineus* Say. one May 13-D.

CHARIESSA *Per.*
5215 pilosa *For.* one July 4-D.

NECROBIA *Lat.*
5230 rufipes *Fab.* one May 21-C.

FAMILY PTINIDAE.

EUCRADA *Lec.*
5245 humeralis *Mel.* rare May 26-D.

ERNOBIUS *Th.*
5247 mollis *Lin.* occ. June 15-July 22.

XESTOBIUM *Mot.*
5261 tessellatum *Fab.* occ. May 9-27.

SITODREPA *Th.*
5267 panicea *Lin.* com. Nov. 1.

HADROBREGMUS *Th.*
5271 carinatus *Say.* occ. June 14-July 4.

TRICHODESMA *Lec.*
5277 gibbosa *Say.* one July 6-C.

BOSTRYCHUS *Geoff.*
5350 bicornis *Web.* one July 15-D.

DINODERUS *Steph.*
5360 cribratus *Lec.* com. Apr. 27.

LYCTUS *Fab.*
5375 opaculus *Lec.* two June 2-H.

FAMILY CIOIDAE

CIS *Lat.*
— species two Sept. 6-D.

FAMILY LUCANIDAE.

LUCANUS *Lin.*
5412 dama *Th.* occ. July 7.
5414 placidus *Say.* occ. July 7.

DORCUS *MacL.*
5415 parallelus *Say.* one June 15

PLATYCERUS *Geo.*
5416 quercus *Web.* two Apr. 29-D.

CERUCHUS *MacL.*
5422 piceus *Web.* occ. June 16-18.

PASSALUS *Fab.*
5424 cornutus *Fab.* occ. Sept. 1.

FAMILY SCARABAEIDAE.

CANTHON *Hof.*
5434 vigilans *Lec.* occ. May 30.
5435 laevis *Dru.* com. May 28.

COPRIS *Geo.*
5443 minutus *Dru.* com. Apr. 27-May 27.
5444 anaglypticus *Say.* occ. May 15-June 1.
5448 carolina *Lin.* occ. June 25.

PHANAEUS *MacL.*
5452 carnifex *Lin.* occ. June 11-July 4.

ONTHOPHAGUS *Lat.*
5458 hecate *Panz.* com. May 6-27.
5459 janus *Panz.* one May 2-D.
5462 tuberculifrons *Har.* com. May 22.
5463 pennsylvanicus *Har.* com. Apr. 21.

ATÆNIUS *Har.*
5501 cylindrus *Horn.* one July-K.
10184 texanus *Har.* one May 22-C.
10190 cognatus *Lec.* one May 20-C.

APHODIUS *Ill.*
5507 fossor *Lin.* com. May 14-June 8.
5517 fimetarius *Lin.* com. May 6-Nov. 1.
5528 granarius *Lin.* com. Apr. 13-Nov. 1.
5529 vittatus *Say.* occ. May 2-31.
5536 inquinatus *Hbst.* com. March 24-Nov. 2.
5542 lutulentus *Hal.* one Sept. 2-C.
5545 rubeolus *Bea.* com. May 31-July 16.
5546 stercorosus *Mel.* com. June 8.

ODONTAEUS *Kl.*
5592 filicornis *Say.* com. June 4.

GEOTRUPES *Lat.*
5596 splendidus *Fab.* com. May 14.
5597 semiopacus *Jek.* com. May 27.
5602 blackburnii *Fab.* com. Apr. 30-July 4.

TROX *Fab.*

- 5616 suberosus *Fab.* rare July 10-D.
5623 unistriatus *Bea.* occ. May 6-June 19.
5624 sordidus *Lec.* com. Apr. 19-May 9.
5625 foveicollis *Har.* com. Apr. 19.
5626 terrestris *Say.* one Apr. 19-C.

AMPHICOMA *Lat.*

- 5637 vulpina *Hentz.* one July 4-D.

HOPLIA *Ill.*

- 5650 trifasciata *Say.* occ. Apr. 24-May 24.
5654 modesta *Hal.* occ. Apr. 23-May 7.
5655 equina *Lec.* rare July 4-D.

DICHELONYCHA *Kir.*

- 5656 elongata *Fab.* com. June 10.
5663 fuscula *Lec.* com. June 12.

SERICA *MacL.*

- 5674 vespertina *Gyl.* com. Apr. 17-July 1.
5678 iricolor *Say.* one May 24.
5681 sericea *Ill.* occ. June 1-19.
5689 trociformis *Bur.* occ. May 18-27.

MACRODACTYLUS *Lat.*

- 5690 subspinosus *Fab.* abund. June 9-12.

DILOTAXIS *Kir.*

- 5699 sordida *Say.* occ. June 17-30.
5703 liberta *Ger.* one Apr. 30-C.

LACHNOSTERNA *Hope.*

- 5744 gracilis *Bur.* occ. May 31-July 20.
5757 fusca *Fr.* abund. May 16-June 12.
5767 fraterna *Har.* occ. May 15.
5777 ilicis *Kno.* one June 10-C.
5780 hirticula *Kno.* abund. June 1-10.
5781 hirsuta *Kno.* two June 4-C.
5789 crenulata *Fr.* com. June 1-10.
5796 tristis *Fab.* com. May 16-June 10.
5797 crinita *Bur.* occ. June 19.
10238 arcuata *Sm.* one May 4-C.
10240 dubia *Sm.* occ. May 22-30.
10247 nova *Sm.* one May 30-H.

POLYPHYLLA *Har.*

- 5825 variolosa *Hen.* rare Fields Pt.

ANOMALA *Koe.*

- 5833 *minuta* Bur. occ. June 14.
5834 *undulata* Mcl. abund. July 4-15.
5838 *lucicola* Fab. com. July 4-15.

STRIGODERMA *Bur.*

- 5841 *pygmaea* Fab. rare July 10-D.
5842 *arboricola* Fab. rare June 26-C. & D.

PELIDNOTA *MacL.*

- 5844 *punctata* Lin. occ. July 20-24.

COTALPA *Bur.*

- 5851 *lanigera* Lin. abund. May 23-June 12.

CHALEPUS *MacL.*

- 5868 *trachypygus* Bur. rare June 1-D.

LIGYRUS *Bur.*

- 5869 *gibbosus* DeG. com. May 15-June 13.
5871 *relictus* Say. com. May 15 July 1.

APHONUS *Lec.*

- 5876 *castaneus* Mcl. two July 2-D.

XYLORYCTES *Hope.*

- 5880 *satyrus* Fab. rare July 4-K. & D.

STRATEGUS *Hope.*

- 5881 *antaeus* Fab. occ. June.

EUPHORIA *Bur.*

- 5909 *fulgida* Fab. occ. June 4.
5911 *inda* Lin. com. Apr. 24-Sept. 15.

CREMASTOCHILUS *Kn.*

- 5927 *variolosus* Kir. one May 13-C.
5929 *canaliculatus* Kir. occ. May 7-Dec. 6.
5932 *harrisii* Kir. two Apr. 15-D.

OSMODERMA *Lep.*

- 5933 *eremicola* Kno. occ. July 4.
5934 *scabra* Bea. com. July 4.

GNORIMUS *Lep.*

- 5936 *maculosus* Kno. occ. July.

TRICHIUS *Fab.*

- 5939 *affinis* Gor. occ. July 21.

VALGUS *Ser.*

5944 squamiger *Bea.* occ. March 20-May 30.

FAMILY SPONDYLIDAE.

PARANDRA *Lat.*

5946 brunnea *Fab.* rare Aug. 7.

FAMILY CERAMBYCIDAE.

ORTHOSOMA *Ser.*

5958 brunneum *For.* occ. July 28.

PRIONIUS *Geo.*

5959 laticollis *Dru.* occ. July 7-24.

ASEMUM *Esc.*

5971 moestum *Hal.* occ. May 20-June 10.

CRIOCEPHALUS *Mul.*

5978 obsoletus *Ran.* two June 20-C.

HYLOTRUPES *Ser.*

5990 bajulus *Lin.* occ. Apr. 17.

5992 ligneus *Fab.* one April 21-C.

PHYMATODES *Mul.*

5993 variabilis *Fab.* com. Apr. 21-July 4.

5996 amoenus *Say.* one June 16-H.

6002 dimidiatus *Kir.* one June 8-D.

6004 varius *Fab.* occ. May 9-20.

CALLIDIUM. *Fab.*

6008 antennatum *New.* rare June 1-C. & D.

6011 aereum *New.* one July 15-D.

ELAPHIDION *Ser.*

6062 villosum *Fab.* com. July 1.

HETERACHTHES *Newm.*

6084 4-maculatus *New.* one July-C.

MOLORCHUS *Fab.*

6100 bimaculatus *Say.* one May 5-D.

PURPURICENUS *Ser.*

6129 humeralis *Fab.* rare June 17-C. & D.

CYLLENE *New.*

6171 robiniae *For.* occ. Sept. 10-29.

ARHOPALUS *Ser.*

6176 fulminans *Fab.* rare July 4-K. & D.

XYLOTRECHUS *Chev.*

6179 colonus *Fab.* com. June 13-July 15.

NEOCLYTUS *Th.*

6201 erythrocephalus *Fab.* occ. July 1.

CYRTOPHORUS *Lec.*

6210 verrucosus *Oliv.* com. May 29-June 22.

EUDERCES *Lec.*

6212 picipes *Fab.* rare June 15-D.

DESMOCERUS *Ser.*

6221 palliatus *For.* com. July 4-20.

ENCYCLOPS *New.*

6231 caeruleus *Say.* one May 30-C.

RHAGIUM *Fab.*

6232 lineatum *Oliv.* com. June 10-Nov. 1.

ACMÆOPS *Lec.*

6273 proteus *Kir.* one June 10-C.

GAUROTES *Lec.*

6276 cyanipennis *Say.* one June 12-C.

STRANGALIA *Ser.*

6284 luteicornis *Fab.* occ. July 4-20.

TYPOCERUS *Lec.*

6288 badius *New.* rare July 4-K. & D.

6292 velutinus *Oliv.* rare July 15-K. & D.

6296 sinuatus *New.* one June 18-H.

LEPTURA *Ser.*

6308 lineola *Say.* occ. June 4-July 24.

6319 zebra *Oliv.* occ. June 1-July 15.

6322 cordifera *Oliv.* two July 1-D.

6333 rubrica *Say.* one July 6-C.

6261 mutabilis *New.* two May 28-C.

MONOHAMMUS *Ser.*

6385 titillator *Fab.* occ. June.

6387 scutellatus *Say.* occ. June 15.

6388 confusor *Kir.* occ. June.

DORCASHEMA *Lec.*

6393 nigrum *Say.* two June 23-C.

GOES *Lec.*

6400 pulverulenta *Hal.* one War'k-C.

LEPTOSTYLUS *Lec.*

6423 macula *Say.* occ. June 1.

LIOPUS *Ser.*

6429 alpha *Say.* one June 10-C.

6430 cinereus *Lec.* occ. June 14.

UROGAPHIS *Horn.*

6443 fasciatus *DeG.* one Sept. 16-C.

ONCIDERES *Serv.*

6469 cingulata *Say.* one War.-C.

SAPERDA *Fab.*

6477 obliqua *Say.* rare July 4-C. & D.

6478 calcarata *Say.* com. July 28-29.

6480 candida *Fab.* occ. June 22-26.

6485 tridentata *Oliv.* occ. June 7.

6486 lateralis *Fab.* occ. May 28-June 24.

OBEREA *Mul.*

6505 ruficollis *Fab.* one July 4-D.

TETRAOPES *Ser.*

6510 canteriator *Dr.* occ. July 16.

6511 tetraophthalmus *For.* com. June 30-J'y 9.

FAMILY CHRYSOMELIDAE.

DONACIA *Fab.*

6536 subtilis *Kunz.* rare July 4-D.

6541 emarginata *Kir.* com. May 30-Dec. 13.

6546 flavipes *Kir.* one June 16-D.

10335 pusilla *Say.* occ. May 30-June 11.

10336 rufa *Say.* one May 24-C.

LEMA *Fab.*

6565 brunnicollis *Lac.* two June 14-C.

6573 trilineata *Oliv.* occ. July 4.

CRIOCERIS *Geo.*

6577 asparagi *Lin.* abun Jany 26-July 27.

COSCINOPTERA *Lac.*

6590 dominicana *Fab.* rare June 19-H. & D.

BABIA *Chev.*

6596 4-guttata *Oliv.* occ. June 12-22.

CHLAMYS *Kno.*

6601 plicata *Fab.* com. Apr. 27-June 12.

6601b polycocca *Lac.* com. May 24-June 14.

BASSAREUS *Hal.*

6610a sellatus *Suf.* one July 4-D.

6612 lituratus *Fab.* one July 15-D.

6612b lativittis *Ger.* two June 10-C.

CRYPTOCEPHALUS *Geo.*

6614 4-maculatus *Say.* com. May 27-June 15.

6617 quadruplex *Nerv.* one June-C.

6617a 4-guttulus *Suf.* occ. June 12-23.

6628 venustus *Fab.* occ. June 14-17.

6632 insertus *Hal.* com. July 4.

6633 calidus *Suf.* one June 14-C.

6635 gibbicollis *Hal.* rare July 4-D.

6637 trivittatus *Oliv.* occ. June 14-July 5.

6640 mutabilis *Mel.* one July 20-C.

PACHYBRACHYS *Chev.*

6662 othonus *Say.* com. May 10-June 17.

6683 carbonarius *Hal.* one June 9-C.

6689 luridus *Fab.* rare May 30-D.

6690 atomarius *Mel.* occ. March 26-July 1.

6692 infaustus *Hal.* com. May. 26-June 12.

6698 subfasciatus *Hal.* one May 26-C.

MONACHUS *Chev.*

6702 ater *Hal.* occ. June 10-14.

XANTHONIA *Bal.*

6720 10-notata *Say.* com. May 9-July 9.

6721 villosula *Mel.* occ. June 15-July 15.

GLYPTOSCELIS *Lec.*

6727 pubescens *Fab.* one May 22-C.

CHRYSOCHUS *Che.*

6741 auratus *Fab.* abund. June 23-July 4.

TYMNES *Cha.*

6744 tricolor *Fab.* com. June 10-July 2.

PARIA *Lec.*

6747 6-notata *Say.* com. May 14-June 17.

6747a 4-guttata *Lec.* one June 19-C.

6747b 4-notata *Say.* com. May 8-30.
6748 aterrima *Oliv.* occ. Apr. 23-May 14.
6750 pumila *Lec.* rare May 1-H. & C.
6751 viridicyanea *Cr.* one May 22-C.

MEFACHROMA *Lec.*

6759 quercata *Fab.* occ. June 12-26.
6765 pellucida *Cr.* one June 29-D.

GRAPHOPS *Lec.*

6767 pubescens *Mel.* abund. July 4-10.
6768 curtipennis *Mel.* com. June 4-14.

CHRYS ODINA *Bal.*

6772 globosa *Say.* com. May 24-June 22.

COLASPIS *Fab.*

6774 brunnea *Fab.* com. May 27-July 4.

PRASOCURIS *Lat.*

6783 varipes *Lec.* one Jan. 26-D.

DORYPHORA *Ill.*

6785 clivicollis *Kir.* occ. June 16-Oct. 13.
6789 10-lineata *Say.* abund. May 24-Sept. 9.

CHRYSOMELA *Lin.*

6799 suturalis *Fab.* two May 30-H.
6801 similis *Rog.* occ. March 16-July 4.
6805 elegans *Oliv.* com. Apr. 27-July 11.
6807 lunata *Fab.* com. Apr. 23-Aug. 1.
6808 scalaris *Lec.* one May 30-C.
6809 philadelphica *Lin.* occ. June 8-Aug. 19.
6810a bigsbyana *Kir.* occ. May 26.
6811 dislocata *Rog.* occ. May 26.

GASTROIDEA *Hope.*

6830 polygoni *Lin.* abund. Apr. 29-July 27.
6832 cyanea *Mel.* occ. May 27-June 26.

LINA *Meg.*

6837 lapponica *Lin.* occ. June 4-23.
6838 tremulae *Fab.* one June 25-C.
6839 scripta *Fab.* two May 30-D.

GONIOCTENA *Red.*

6843 pallida *Lin.* one June 4-C.

PHYLLODECTA *Kir.*

6844 vulgatissima *Lin.* one June 26-C.

CEROTOMA *Chev.*

6845 *camenea* *Fab.* rare June 13-C. & D.

DIABROTICA *Chev.*

6881 *12-punctata* *Oliv.* occ. July 6-Oct. 27.

6885 *vittata* *Fab.* com. May 22-Oct. 16.

TRIRHABDA *Lec.*

6892a *virgata* *Lec.* rare July 4-C. & D.

6892b *canadensis* *Kir.* com. July 16.

GALERUCELLA *Cr.*

6899 *americana* *Fab.* com. May 27-July 5.

6901 *6-vittata* *Lec.* one Sept. 4-C.

6902 *cavicollis* *Lec.* com. May 20-22.

6903 *rufosanguinea* *Say.* rare May 27-D.

6905 *nymphaeae* *Lin.* two Oct. 13-D.

6907 *decora* *Say.* occ. June 12-19.

6910 *notata* *Fab.* occ. Apr. 13-Sept. 18.

6912 *luteola* *Mul.* com. May 30-June 26.

MONOXIA *Lec.*

6913 *puncticollis* *Say.* occ. May 29-July 15.

HYPOLAMPSIS *Clark.*

6920 *pilosa* *Ill.* one July 4-D.

OEDIONYCHIS *Lat.*

6928 *gibbitarsis* *Say.* com. May 30-June 23.

6932 *vians* *Ill.* com. May 28-June 29.

6935 *thoracica* *Fab.* occ. May 14-June 13.

6936 *fibriata* *For.* occ. Apr. 30-June 16.

6939 *miniata* *Fab.* occ. June 4-July 4.

6945b *limbalis* *Mel.* one June 12-C.

DISONYCHA *Chev.*

6949 *5-vittata* *Say.* com. May 1-27.

6954 *abbreviata* *Mel.* one July 4-D.

6957 *triangularis* *Say.* two July 4-D.

6958 *collaris* *Fab.* occ. Apr. 15-June 1.

6958a *collata* *Fab.* one May 30-C.

6958c *semi carbonata* *Lec.* rare April-H. & C.

6959 *rufa* *Ill.* one Sept. 5-C.

10416 *crenicollis* *Say.* two June 26-C.

HALTICA *Geo.*

6961 *chalybea* *Ill.* two May 10-C.

6963 *ignita* *Ill.* occ. May 26-27.

6967 *torquata* *Lec.* rare May 19-C.

10423 *marevagans* *Horn.* abun. July 10-27.

CREPIDODERA *Chev.*

- 6980 *helxines* *Lin.* com. June 12-Oct. 16.
6981 *atriventris* *Mel.* one June 1-H.
6987 *cucumeris* *Har.* com. May 8-Aug. 1.

SYSTEMA *Chev.*

- 6995 *hudsonias* *For.* com. June 18.

PHYLLOTRETA *Foud.*

- 7023 *vittata* *Fab.* one June 15-D.

CHÆTOCNEMA *Ste.*

- 7040 *denticulata* *Ill.* rare July 2-H. & C.

DIBOLIA *Chev.*

- 7057 *aerea* *Mel.* com. May 14-June 8.

MICRORHOPALA. *Bal.*

- 7060 *vittata* *Fab.* com. May 14-June 24.
7069 *uniformis* *Sm.* rare July 4-D.

ODONTOTA *Chev.*

- 7075 *scapularis* *Oliv.* com. May 28-July 1.
7079 *dorsalis* *Tho.* abund. May 26-July 7.
7080 *rubra* *Web.* com. May 26-June 19.
7082 *rosea* *Web.* occ. May 28-June 19.

STENISPA *Bal.*

- 7093 *metallica* *Fab.* com. May 28-June 24.

CASSIDA *Lin.*

- 7097 *nigripes* *Oliv.* one May 30-C.

COPTOCYCLA *Chev.*

- 7102 *aurichalcea* *Fab.* occ. June 23.
7104 *guttata* *Oliv.* com. May 30-June 20.

CHELYMORPHA *Chev.*

- 7109 *argus* *Lich.* com. May 30-June 22.

FAMILY BRUCHIDAE.

BRUCHUS *Lin.*

- 7115 *pisi* *Lin.* occ. May 19-22.
7132 *nigrinus* *Horn.* com. June 2.
7150 *obsoletus* *Say.* abund. Nov. 1.
7151 *hibisci* *Oliv.* occ. June.

FAMILY TENEBRIONIDAE.

NYCTOBATES *Gue.*

- 7391 *pennsylvanica* *DeG.* occ. May 1-Dec. 25.

UPIS *Fab.*

7401 *ceramboides* *Lin.* one July 15-D.

SCOTOBATES *Horn.*

7411 *calcaratus* *Fab.* occ. June 18.

XYLOPINUS *Lec.*

7413 *saperdioides* *Oliv.* occ. June 20.

7414 *rufipes* *Say.* one May 10-D.

TENEBRIO *Lin.*

7417 *molitor* *Lin.* occ. Apr. 10-July 4.

7419 *tenebrioides* *Beau.* occ. Apr. 21-May 14.

OPATRINUS *Lat.*

7425 *notus* *Say.* one July 4-D.

BLAPSTINUS *Lat.*

7442 *moestus* *Mel.* rare March 24-H. & C.

7444 *interruptus* *Say.* com. Apr. 13-June 16.

7445 *metallicus* *Fab.* rare May 31-D.

GNATHOCERUS *Thu.*

7467 *cornutus* *Fab.* occ. June 4-30.

ALPHITOBIUS *Ste.*

7475 *piceus* *Oliv.* one May 13-H.

ULOMA *Lap.*

7481 *impressa* *Mel.* rare May 5-D.

PARATENETUS *Spin.*

7491 *fuscus* *Lec.* one June 25-C.

PHALERIA *Lat.*

7497 *testacea* *Say.* abun. May 14-June 26.

DIAPERIS *Geo.*

7506 *hydni* *Fab.* occ. March 16-May 11.

HOPLOCEPHALA *Lap.*

7509 *bicornis* *Oliv.* com. March 10-Sept. 19.

PLATYDEMA *Lap.*

7510 *excavatum* *Say.* com. June 9-17.

7515 *flavipes* *Fab.* rare May 14-D.

7525 *subcostatum* *Lap.* occ. Apr. 21-July 4.

HELOPS *Fab.*

7546 *micans* *Fab.* occ. May 6-18.

7565 *aereus* *Ger.* occ. Apr. 24-May 18.

FAMILY CISTELIDAE.

HYMENORUS *Mul.*

7591 pilosus *Mel.* rare June 11-C.

7592 obscurus *Say.* two June 2-C.

CISTELA *Fab.*

7607 sericea *Say.* com. June 12-26.

ISOMIRA *Mul.*

7609 quadristriata *Coup.* occ. June 26.

CAPNOCHROA *Lec.*

7628 fuliginosa *Mel.* one War.-C.

CTENIOPUS *Sol.*

7632 murrayi *Lec.* one July 4-D.

FAMILY LAGRIIDAE

ARTHROMACRA *Kir.*

7637 aenea *Say.* two July 1-C.

STATIRA *Lat.*

7640 gagatina *Mel.* com. June 4-23.

FAMILY MELANDRYIDAE.

PENTHE *New.*

7649 obliquata *Fab.* occ. July 4-Oct. 6.

7650 pimelia *Fab.* two Apr. 24-C.

MELANDRYA *Fab.*

7653 striata *Say.* rare May 27-C. & D.

DIRCÆA *Fab.*

7669 liturata *Lec.* occ. June 7-July 4.

EUSTROPHUS *Ill.*

7680 bifasciatus *Say.* one July 4-D.

HALLOMENUS *Panz.*

7683 scapularis *Mel.* one Oct. 6-D.

ORCHESIA *Lat.*

7687 castanea *Mel.* rare Apr. 21-D.

FAMILY PYTHIDAE.

BOROS *Hbst.*

7708 unicolor *Say.* one Apr. 5-D.

PYTHO *Lat.*

7710 americanus *Kir.* rare May 16-D.

FAMILY OEDEMERIDAE.

NACERDES *Sch.*

7733 melanura *Lin.* occ. June-22.

FAMILY MORDELLIDAE.

ANASPIS *Geof.*

7769 flavipennis *Hald.* one June 2-C.

MORDELLA *Linn.*

7780 scutellaris *Fab.* occ. June 17.

7783 marginata *Nel.* occ. June 26.

MORDELLISTENA *Cos.*

7816 comata *Lec.* occ. May 26-June 12.

FAMILY ANTHICIDAE.

CORPHYRA *Say.*

7894 lugubris *Say.* one June 10-D.

7895 collaris *Say.* rare June 10-D.

NOTOXUS *Geo.*

7923 monodon *Fab.* occ. May 22-July 11.

7925 anchora *Hen.* one June-C.

ANTHICUS *Pack.*

7941 cinctus *Say.* occ. May 22-June 16.

7952 confusus *Lec.* occ. May 22.

7955 scabriceps *Lec.* rare May 26-D.

7959 cervinus *Laf.* two Prov.-D.

7974 ictericus *Laf.* one Jan. 18-D.

FAMILY MELOIDAE.

MELOE *Lin.*

8012 angusticollis *Say.* occ. Apr. 24-25.

8013 americanus *Lea.* rare Apr. 30-C.

8014 moerens *Lec.* one Prov.-D.

MACROBASIS *Lec.*

8061 unicolor *Kir.* com. July 4-15.

EPICAUTA *Red.*

8080 stri gosa *Gyl.* occ. July.

8093 vittata *Fab.* com. July 30.

8097 cinerea *For.* abund. July 4-Aug. 1.

8104 pennsylvanica *DeG.* abund. Sept. 10.

FAMILY RHIPIPHORIDAE

RHIPIPHORUS *Fab.*

8177 pectinatus *Fal.* one July 4-D.

FAMILY RHYNCHITIDAE.

AULETES *Sch.*

8201 ater *Lec.* one May 26.

EUGNAMPTUS *Sch.*

8206 angustatus *Hb.* one Prov.-D.

8207 collaris *Fab.* occ. June 12.

RHYNCHITES *Hbst.*

8210 bicolor *Fab.* com. July 4-11.

8215 hirtus *Fab.* rare July 15-D.

8222 aeratus *Say.* one June 12-C.

PTEROCOLUS *Sch.*

8223 ovatus *Fab.* occ. May 24-June 2.

FAMILY ATTELABIDAE

ATTELABUS *Lin.*

8224 analis *Ill.* com. June 12.

8225 nigripes *Lec.* occ. May 26-July 4.

8226 bipustulatus *Fab.* com. May 24.

8228 rhois *Boh.* occ. June 12.

FAMILY OTIORHYNCHIDAE.

HORMORUS *Horn.*

8237 undulatus *Uh.* two June 23-C.

PANSCOPUS *Sch.*

8261 erinaceus *Say.* one Apr. 21-C.

PHYXELIS *Sch.*

8281 rigidus *Say.* one June-C.

OTIORHYNCHUS *Ger.*

8283 sulcatus *Fab.* com. Apr. 17-June 19.

8284 ovatus *Lin.* com. May 24-Oct. 1.

PANDELETEJUS *Sch.*

8314 hilaris *Hb.* com. Apr. 24 June 19.

APHRASTUS *Sch.*

8327 taeniatus *Gyl.* com. June. 12-17.

FAMILY CURCULIONIDAE.

SITONES *Sch.*

8346 hispidulus *Ger.* com. Apr. 19-May 1.

8347 flavescens *Mar.* rare July 4-D.

8348 tibialis *Hb.* one Prov.-D.

ITHYCERUS *Sch.*

8361 novebovacensis *For.* rare July 4-C. & D.

APION *Hbst.*

8403 herculanum *Sm.* one June 19-C.

8412 griseum *Sm.* rare July 19-D.

8423 rostrum *Say.* com. May 22-Aug. 26.

8425 patrule *Sm.* one Prov.-D.

PODAPION *Riley.*

8426 gallicola *Ri.* two July 4-D.

PHYTONOMUS *Sch.*

8427 punctatus *Fab.* com. June 10-Aug. 1.

8434 nigrirostris *Fab.* com. Apr. 30-July 4.

LEPYRUS *Sch.*

8438 geminatus *Say.* one July 20-D.

LISTRONOTUS *Jek.*

8453 latiusculus *Boh.* one July 4-D.

PISSODES *Ger.*

8472 strobil *Pec.* com. May 8-20.

PACHYLOBIUS *Lec.*

8478 picivorus *Ger.* one July 4-D.

HYLOBIUS *Ger.*

8479 pales *Hbst.* com. Apr. 18-May 6.

LIXUS *Fab.*

8498 concavus *Say.* com. May 20-July 4.

BAGOUS *Ger.*

8588 americanus *Lec.* one June-D.

MAGDALIS *Ger.*

8615 barbata *Say.* one June 12-C.

8617 olyra *Hbst.* one May 20-C.

ACALYPTUS *Sch.*

8626 carpini *Hbst.* one Apr. 27-D.

ANTHONOMUS *Ger.*

8630 quadrigibbus *Say.* two June 14-C.

8634 profundus *Lec.* one May 15-C.

8637 scutellatus *Gyl.* occ. June 10.

8638 signatus *Say.* one July-D.

8643 suturalis *Lec.* occ. May 24-July 20.

8644 musculus *Say.* rare July 12-C. & D.

8649 corvulus *Lec.* one Prov.-D.

8661 crataegi *Wal.* com. June 2-July 9.

8662 subfasciatus *Lec.* one July 4-D.

ORCHESTES *Ill.*

8673 pallicornis *Say.* one July 20-D.

ELLESCHUS *Steph.*

8683 ephippiatus *Say.* one July-D.

PRIONOMERUS *Sch.*

8684 calceatus *Say.* two July 20-D.

THYSANOCNEMIS *Lec.*

— new species one July 4-D.

← *Brunneum* Davis.

GYMNETRON *Sch.*

8705 teter *Fab.* com. June 10-14.

CONOTRACHELUS *Sch.*

8714 nenuphar *Hbst.* com. June 2-20.

RHYSSEMATUS *Chev.*

8741 palmaris *Say.* one June 10-C.

PSEUDOMUS *Sch.*

8776 sedentarius *Say.* two June 23-D.

TYLODERMA *Say.*

8779 foveolatum *Say.* occ. June 12-22.

CRYPTORHYNCHUS *Ill.*

8788 pumilus *Boh.* one June 10-D.

8789 fuscatus *Lec.* one June-C.

MONONYCHUS *Ger.*

8825 vulpeculus *Fab.* occ. May 28-June 1.

COELIOIDES *Sch.*

8835 acephalus *Say.* abund. June 12.

RHINONCUS *Sch.*

8863 pericarpus *Lin.* com. May 8-June 26.

8864 pyrrhopus *Lec.* two Apr. 22-D.

BARIS *Ger.*

8869 umbilicata *Lec.* com. Mar. 27-June 19.

8878 confinis *Lec.* one Nov. 14-D.

PSEUDOBARIS *Lec.*

8888 nigrina *Say.* rare, May 8-C & D.

IDIOSTETHUS *Casey.*

8910 tubulatus *Say.* one July 4-D.

CENTRINUS *Sch.*

8917 sc.-album *Say.* com. June 14-Jy. 5.

8928 picumnus *Hb.* rare June 2-C. & D.

8933 lineicollis *Lec.* one May 4

LIMNOBARIS *Bede.*

— species one July 4-D.

BALANINUS *Ger.*

8959 obtusus *Bl.* one June-C.

8963 rectus *Say.* rare Jy. 4-C. & D.

8965 caryatrypes *Boh.* one Sept. 9-D.

FAMILY BRENTHIDAE.

EUPSALIS *Lec.*

8967 *minuta Dru.* rare Jy. 4-D.

FAMILY CALANDRIDAE.

SPHENOPHORUS *Sch.*

8987 *pertinax Oliv.* com. May 27-Jun. 20.

8988 *robustus Horn.* one May 10-C.

8993 *sculptilis Uhl.* rare April 16-D.

8995 *melanocephalus Fab.* one Apr. 25-D.

8998 *placidus Say.* rare May 29-D.

9000 *parvulus Gyl.* com. May 18-July 4.

CALANDRA *Clair.*

9011 *oryzae Lin.* rare April 30-D.

DRYOPHTHORUS *Sch.*

9015 *corticalis Say.* rare Mar. 13-C. & D.

COSSONUS *Clair.*

9026 *concinnus Boh.* one Prov.-D.

9027 *corticola Say.* one War.-C.

FAMILY SCOLYTIDAE.

XYLEBORUS *Eich.*

9104 *pyri Peck.* one May 13-D.

9112 *caelatus Eich.* one May 5-D.

TOMICUS *Lat.*

9123 *cacographus Lec.* com. May. 8.

9128 *pini Say.* one July 15-D.

DENDROCTONUS *Er.*

9179 *terebrans Oliv.* occ. May 8-20.

HYLURGOPS *Lec.*

9199 *pinifex Fitch.* two July 15-D.

FAMILY ANTHRIBIDAE.

CRATOPARIS *Sch.*

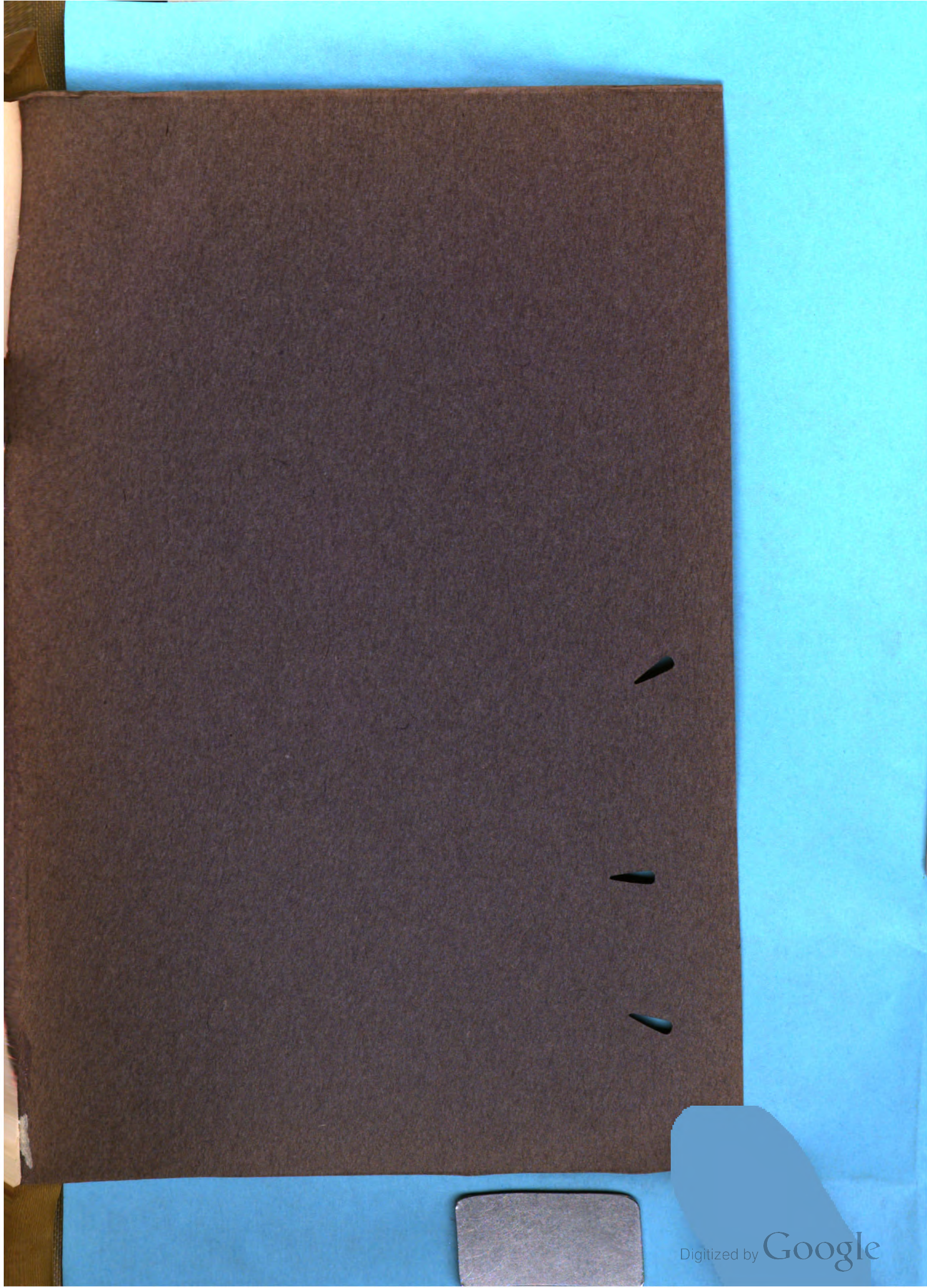
9221 *lunatus Fab.* rare Apr. 21-C. & D.

ANTHRIBULUS *Lec.*

9230 *rotundatus Lec.* one July 20-D.



SUMMARY	1-Ed.	2-Ed.
FAMILIES	51	56
GENERA	371	438
SPECIES	795	948
47		



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